




MEMORANDUM

DATE: May 13, 2009
For May 28, 2009

TO: Peter Gavin
Zoning Examiner

FROM: 
Albert Elias, AICP
Director, Urban Planning and
Design

SUBJECT: SPECIAL EXCEPTION LAND USE – URBAN PLANNING AND DESIGN
REPORT SE-08-30 AT&T – Pantano Road, C-2 Zone Revised Condition No. 8

On October 16, 2008, after a public hearing on the above referenced case on October 9, 2008, the Zoning Examiner issued a decision letter approving the wireless telecommunication facility, concealed within an artificial palm tree, 69 feet in height to the top of the fronds. The diameter of the artificial palm tree was limited to 18 inches by Condition No. 8. On April 23, 2009, Steve Olson, with Olson Diversified Services requested a revision to Condition No. 8 in Case SE-08-30 AT&T – Pantano Road, C-2 Zone (Ward 4).

Condition No. 8 limits the diameter of the artificial palm to 18 inches, which is not enough space to accommodate the size and quantity of cables connecting the antennae to the equipment cabinets. Attachments (A) and (B) as provided propose a base trunk diameter of 26.13 inches and tapering to 16.19 inches at the top. The tapered design improves the structural integrity of the artificial palm. The lower eight feet, which is the largest portion of the structure will be enclosed behind the required screen wall and the entire structure will be clad in imitation bark to maintain the appearance of a palm tree.

The applicant requests that the base diameter of the artificial palm be limited to 26.5 inches to accommodate the combination of diameter and quantity of cables connecting the antennae to the equipment cabinets. The following revision to the Preliminary Condition number 8 is requested.

8. Maximum diameter ~~of the monopole~~ at the base of the artificial palm shall not exceed ~~18~~ 26.5 inches.

Staff is amenable to requested revision.

Preliminary Conditions

PROCEDURAL

1. A fully dimensioned development plan demonstrating compliance with Section 3.5.4.20.F.2.C of the *Land Use Code (LUC)* and with the preliminary development plan dated August 1, 2008, and supporting materials, is to be submitted and approved in accordance with Section 5.3.8 of the *LUC*.
2. The property owner shall execute a waiver of potential claims under A.R.S. Sec. 12-1134 for this zoning amendment as permitted by A.R.S. Sec. 12-1134 (I) in the form approved by the City Attorney and titled "Agreement to Waive Any Claims Against the City for Special Exception Land Use".
3. Historic or prehistoric features or artifacts discovered during future ground disturbing activities should be reported to the City of Tucson Archaeologist. Pursuant to A.R.S. 41-865 the discovery of human remains and associated objects found on private lands in Arizona must be reported to the Director of Arizona State Museum.
4. Any relocation, modification, etc., of existing utilities and/or public improvements necessitated by the proposed development shall be at no expense to the public.
5. "Safe by Design" concepts shall be incorporated in the development plan for review by the Tucson Police Department.
6. Five years are allowed from the date of initial authorization to implement and effectuate all Code requirements and conditions of the special exception land use.

LAND USE COMPATABILITY

7. The stealth (palm tree design) monopole shall not exceed sixty-nine feet in height at the top of the fronds.
8. Maximum diameter of the monopole at the base of the artificial palm shall not exceed 18.265 inches.
9. A maximum of six (6) antenna panels painted to match the palm fronds as appropriate. The antenna panels shall not visually extend above or below the imitation palm fronds.
10. The pole shall be clad in imitation palm tree bark, and painted an appropriate bark color.
11. There shall be no exterior wiring, visible footpegs, portals, cabling or cable shrouds, or other unnatural appearing features. The imitation bark shall continue to ground.
12. The masonry screen wall designed to screen the telecommunication ground equipment shall be graffiti resistant, textured and painted to match existing buildings in the surrounding area.

Preliminary Conditions

13. All walls visible from a public right-of-way and/or adjacent to existing residential development, are to be graffiti-resistant and incorporate one or more visually appealing design treatments, such as the use of two or more decorative materials like stucco, tile, stone, or brick; a visually interesting wall surface; varied wall alignments, (jog, curve, notch, setback, etc.); and/or trees and shrubs in voids created by the wall variations.
14. Six (6) inch wide fence block or greater shall be used for perimeter walls.
15. Drought-tolerant landscaping shall be provided around the perimeter of the masonry wall.

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TOP	DIAMETER	16.19 in.	[16.44 in. Point-Point]
BOTTOM	DIAMETER	26.13 in.	[26.53 in. Point-Point]
POLE	HEIGHT	64.00 ft.	18 SIDED FLAT ORIENTATION
BASE	HEIGHT	1.00 ft.	ABOVE GROUND
E-MODULUS		29000 ksi	[12000 ksi SHEAR MODULUS]

APPURTENANCES

ATTACH POINTS:	NO.	X,ft	Qty	Description	Status
	1	64.00	1	Palm Tree Top Fronds	Initial Appurt
	2	62.00	3	2' Standoff Arm w/Dual Antenna	Initial Appurt

Pole Section	Bottom X,ft.	Thick in.	Connect Type	LAP in.	Taper in/ft	Length ft.	Weight lbs	Steel Spec	Pole Finish
1	13.00	.18750	SLIP-JNT	27.	.1612	13.00	448	A572-65	GALVANIZE
2	64.00	.18750	C-WELD		.1612	53.25	2334	A572-65	GALVANIZE

SECTION PROPERTIES

X,ft	UP,ft	D,in	T,in	Area in ²	Iz in ⁴	IxIy in ⁴	SxSy in ³	w/t	d/t	F _y (ksi)		
64.00	.00	16.19	.1875	9.52	616	308	37.5	13.46	86.3	65.00	TOP	P01
62.00	2.00	16.51	.1875	9.72	656	328	39.1	13.77	88.1	65.00		P02
57.00	7.00	17.32	.1875	10.19	756	378	43.0	14.52	92.4	65.00		
53.25	10.75	17.92	.1875	10.55	838	419	46.0	15.09	95.6	65.00	Slip-B01	
51.00	13.00	17.91	.1875	10.55	838	419	46.1	15.08	95.5	65.00	Slip-T02	
46.00	18.00	18.72	.1875	11.03	956	478	50.3	15.84	99.8	65.00		
41.00	23.00	19.52	.1875	11.51	1086	543	54.8	16.60	104.1	65.00		
36.00	28.00	20.33	.1875	11.99	1228	614	59.5	17.35	108.4	65.00		
31.00	33.00	21.13	.1875	12.47	1380	690	64.3	18.11	112.7	65.00		
26.00	38.00	21.94	.1875	12.95	1548	774	69.5	18.87	117.0	65.00		
21.00	43.00	22.75	.1875	13.42	1726	863	74.7	19.63	121.3	65.00		
16.00	48.00	23.55	.1875	13.90	1918	959	80.2	20.39	125.6	65.00		
11.00	53.00	24.36	.1875	14.38	2122	1061	85.8	21.14	129.9	65.00		
6.00	58.00	25.16	.1875	14.86	2344	1172	91.7	21.90	134.2	65.00		
1.00	63.00	25.97	.1875	15.34	2576	1288	97.7	22.66	138.5	65.00		
.00	64.00	26.13	.1875	15.44	2624	1312	98.9	22.81	139.4	65.00	BASE	

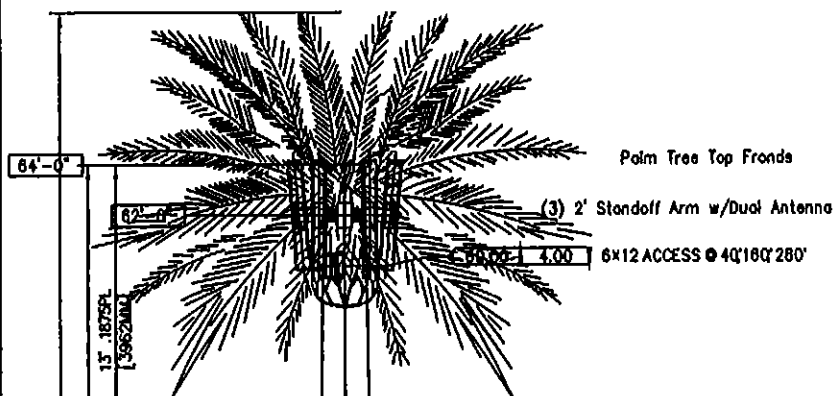
CHANGE OF CONDITION

Special Exception
Preliminary Development Plan

S.E. 08-30 Date 4/23/09

Urban Planning & Design

ATTACHMENT A



POLE SPECIFICATIONS	
POLE HEIGHT	64.00 FEET
TAPER	.1612 W/FT
POLE SHAPE	18 SIDED POLYGON
ORIENTATION	FLAT-FLAT

LEV	QTY	Elev ft. Future	DESCRIPTION APPURTENANCE / ANTENNA
1	1	84.00	Palm Tree Top Fronds
2	3	82.00	2' Standoff Arm w/Dual Antenna
6	82.00		RA11.7780.00
8	82.00		TWA

Load Case DESCRIPTION	Wind (mph)	OLF Vert	Rad. Ice	Factor	Wind Gust	Wind Cl	Wind (psi)
1) 3s Gusted Wind	90.0	1.20		1.10	.65		34.7
2) 3s Gusted Wind 0.9	90.0	.90		1.10	.65		34.7
3) 3s Gusted Wind&Ice	30.0	1.20		1.10	.65		2.4
4) Service Loads	60.0	1.00		1.10	.65		8.6

Load Case DESCRIPTION	Res. Axial (kips)	Base Shear (kips)	React. Mom (ft-k)	Disp. DEFL. (ft)	Top SWAY (deg)
1) 3s Gusted Wind	7.8	8.0	446	3.2	4.93
2) 3s Gusted Wind 0.9	5.9	8.0	442	3.2	4.87
3) 3s Gusted Wind&Ice	7.7	.6	30	.2	.34
4) Service Loads	6.4	2.0	110	.8	1.22

Sec	LENGTH (ft)	Flat-Flat TOP#	Flat-Flat BOT#	THICK (in)	WEIGHT (lbs)	STEEL SPEC	FINISH
1	13.00	16.19	18.29	.1875	800	A572-65	Galv
2	53.25	17.85	26.13	.1875	3000	A572-65	Galv
TOTAL					3800		
ABolt Cluster							
AB	63.00	1.25	1.500		400	A449-B1	Galv-18"

- 1) FULL HEIGHT STEP BOLTS
- 2) ANTENNA FEED LINES RUN INSIDE POLE
- 3) THE MONOPOLE WAS DESIGNED IN ACCORDANCE WITH ANSI/TIA-222-C, STRUCTURE CLASS II, EXPOSURE CATEGORY C, TOPOGRAPHIC CATEGORY 1.

CHANGE OF CONDITION
 Special Exception
 Preliminary Development Plan
 S.E. 08-30 Date 4/23/09
 Urban Planning & Design
 ATTACHMENT B



Expires 3/31/09

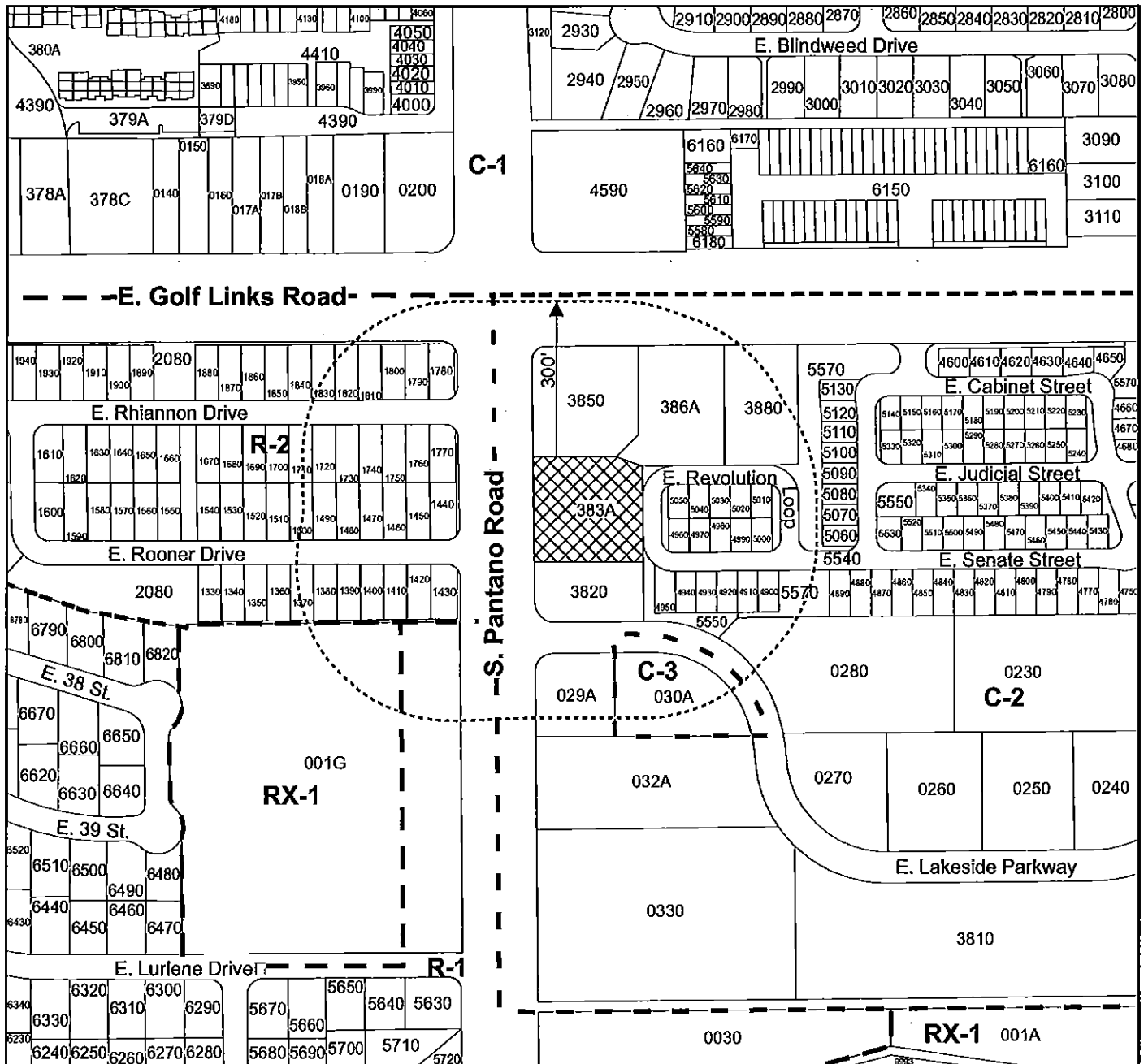
AT&T Tucson, AZ T-915 65.00 MONOPOLE				
Sabre Towers & Poles <small>CONFIDENTIAL Information contained herein is the sole property of Sabre Communications Corporation and is to be kept confidential. It is not to be reproduced, copied or used in whole or in part for any purpose whatsoever without prior written consent of Sabre Communications Corporation.</small>		SIZE A	DRAWING NO. 07-05008-PE	REV C
07-05008 DATE 12Mar09	DRAWN BY -	REFERENCE DRAWING N.T.S.	SCALE N.T.S.	PAGE 1
CHECKED BY ARH				

34.00" Rnd BASE 1.50" Thick
 12 Bolts 1.25" #
 8.00" Bolt Projection
 30.75" Bolt Circle

G.L.

SE-08-30 AT&T - Pantano Road

Special Exception - Full Notice Procedure



0 150 300
Feet
1 inch = 300 feet

- Area of Special Exception Request
- C-2** Zoning of Requested Area
- Zone Boundaries
- Notification Area (300 foot radius)

Neighborhood, Area Plan(s): South Pantano Area Plan
Address: 2699 S. Pantano Road
Base Maps: Sec.28 T.14 R.15
Ward: 4

